

Patterns in Multiplication & Division



Multiplication means adding groups of the same number.

Division means sharing equally into groups.

They are partners - just like addition and subtraction!



Look at the Pattern!

$3 + 3 + 3 + 3 = 12$ That's 4 groups of 3!

So: $4 \times 3 = 12$ and $12 \div 3 = 4$

$2 + 2 + 2 + 2 + 2 = 10$ That's 5 groups of 2!

So: $5 \times 2 = 10$ and $10 \div 2 = 5$



Your Turn! Fill in the blanks:

1. $4 + 4 + 4 + 4 + 4 = 20$

$5 \times 4 = \underline{\quad}$ $20 \div 4 = \underline{\quad}$

2. $3 + 3 + 3 + 3 + 3 + 3 = 18$

$6 \times 3 = \underline{\quad}$ $18 \div 3 = \underline{\quad}$

3. $5 + 5 + 5 + 5 = 20$

$4 \times 5 = \underline{\quad}$ $20 \div 5 = \underline{\quad}$

4. $2 + 2 + 2 + 2 + 2 + 2 + 2 = 14$

$7 \times 2 = \underline{\quad}$ $14 \div 2 = \underline{\quad}$

5. $4 + 4 + 4 = 12$

$3 \times 4 = \underline{\quad}$ $12 \div 4 = \underline{\quad}$

6. $5 + 5 + 5 + 5 + 5 + 5 = 30$

$6 \times 5 = \underline{\quad}$ $30 \div 5 = \underline{\quad}$

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Multiplication means adding groups of the same number.

Division means sharing equally into groups.

They are partners - just like addition and subtraction!



Look at the Pattern!

$4 + 4 + 4 + 4 + 4 = 20$ That's 5 groups of 4!

So: $5 \times 4 = 20$ and $20 \div 4 = 5$

$2 + 2 + 2 + 2 + 2 + 2 = 12$ That's 6 groups of 2!

So: $6 \times 2 = 12$ and $12 \div 2 = 6$



Your Turn! Fill in the blanks:

1. $3 + 3 + 3 + 3 + 3 + 3 + 3 = 21$

$7 \times 3 = \underline{\quad}$ $21 \div 3 = \underline{\quad}$

2. $4 + 4 + 4 + 4 + 4 + 4 = 24$

$6 \times 4 = \underline{\quad}$ $24 \div 4 = \underline{\quad}$

3. $5 + 5 + 5 + 5 + 5 + 5 = 30$

$6 \times 5 = \underline{\quad}$ $30 \div 5 = \underline{\quad}$

4. $2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 16$

$8 \times 2 = \underline{\quad}$ $16 \div 2 = \underline{\quad}$

5. $3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 = 24$

$8 \times 3 = \underline{\quad}$ $24 \div 3 = \underline{\quad}$

6. $5 + 5 + 5 + 5 + 5 + 5 + 5 = 35$

$7 \times 5 = \underline{\quad}$ $35 \div 5 = \underline{\quad}$